STAT

February 20, 1969

U.S. Government

Attention: George M.

Dear George:

Recently you requested a quotation for a 0.5 power relay lens and cell as a replacement unit in a STAT Type 880 or 1210 binocular microscope viewing system, a special film transport for the STAT Type 1032T Microdensitometer, and service for the modification of your STAT Type 1032 Microdensitometer digital readout system. We are pleased to provide the following quotation:

Item 1

0.5 power relay lens and cell to replace a 1-power relay lens unit in a STAT Type 880 or 1210, 400 Series binocular microscope viewing system. This lens provides approximately 200 lines per millimeter resolution at 40X magnification, and changes the field of view to 5 millimeters. The magnification ranges to 10 to 20X with a 5X eyepiece, and 20 to 40X with a 10X eyepiece. Apparent reticle width to 5 microns at the film plane. Price includes necessary instruction for customer installation. STAT

Item 2

Special film transport (manual) for STAT Type 1032T Microdensitometer similar to film stage for 9-1/2" film furnished with STAT 1032T07 except minus the upper pressure frames (clear and glass) but to include a special glass insert having a slot 9-1/2" long x 5/8" wide covered with a sheet of .010" thick glass.

Item 3

Modification of your STAT Type 1032 Microdensitometer digital readout system including equipment, services, and supplemental drawings, to permit increase in density data sampling rate at lower scan speeds as described below. STAT

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The present system provides for selection of sampling intervals in increments of one micron, and is limited by the resolution of the X and Y data heads. To permit more frequent sampling, it will be necessary to provide an external asynchronous oscillator, shaping and resynchronizing circuits and switching for selection of the sampling source.

The introduction of the external sampling signal will be at a point in the circuit after the interval counter. Thus, the coordinate values recorded on tape at the beginning and end of the scan will retain their proper significance. The coordinates of any sample may be determined to a reasonable degree of accuracy by interpolation.

A wide range variable frequency oscillator, such as the General Radio Model 1310-A will be used as the sampling rate source. It will be provided with a rack type mount designed to replace one of the blank panels in the present equipment rack. A switch for selection of external or internal sampling source will be mounted with the oscillator.

For shaping, resynchronizing and gating, it is proposed that unused circuits on the SDS cards in chassis A and B of the present equipment be utilized. It is estimated that the necessary installation and wiring may be completed in the field within one day.

The external sampling rate source will provide a resolution of over one thousand samples per micron when used at the lowest scan speed of 125 microns per minute.

The delivery schedule would be 30 days for Item 1 and 90 days for Items 2 and 3, after receipt of an order. Our terms are net 30 days, and all prices quoted are fob [redacted] This quotation is firm for a period of 60 days.

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We trust this information is sufficient for your immediate action.

[redacted]

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